UN environment programme | CTCN UN Climate Technology Centre & Network

From Technology to Finance: Understanding the UNFCCC Mechanisms and Opportunities for Collaboration

GCF Liaison Officer's Onboarding Programme
3 June 2026 12pm-1pm (KST)



1 Who we are - CTCN

UNFCCC Technology Mechanism

United Nations Climate Change
Technology Executive Committee

UN environment programme | CTCN UN Climate Technology Centre & Network

UNFCCC Financial Mechanism

- Global Environment Facility (GEF)
- **Green Climate Fund (GCF)**
- Fund for Responding to Loss and Damage (FRLD)

Linkages between the TEC, CTCN & GCF, GEF:

- Informing each other's work
- Collaborating on implementation

UNFCCC Technology Mechanism

Technology Executive Committee (TEC)

- Policy arm, supported by UNFCCC secretariat
- Policy recommendations, knowledge products & dialogues

Climate Technology Centre & Network (CTCN)

- Implementation arm, hosted by UNEP
- Technical assistance, capacity-building, knowledge sharing

Established in 2010, the Technology Mechanism is comprised of the TEC and the CTCN. Both bodies work together in a synergistic way under a joint work programme.

Joint Work Programme of the Technology Mechanism (2023-2027)

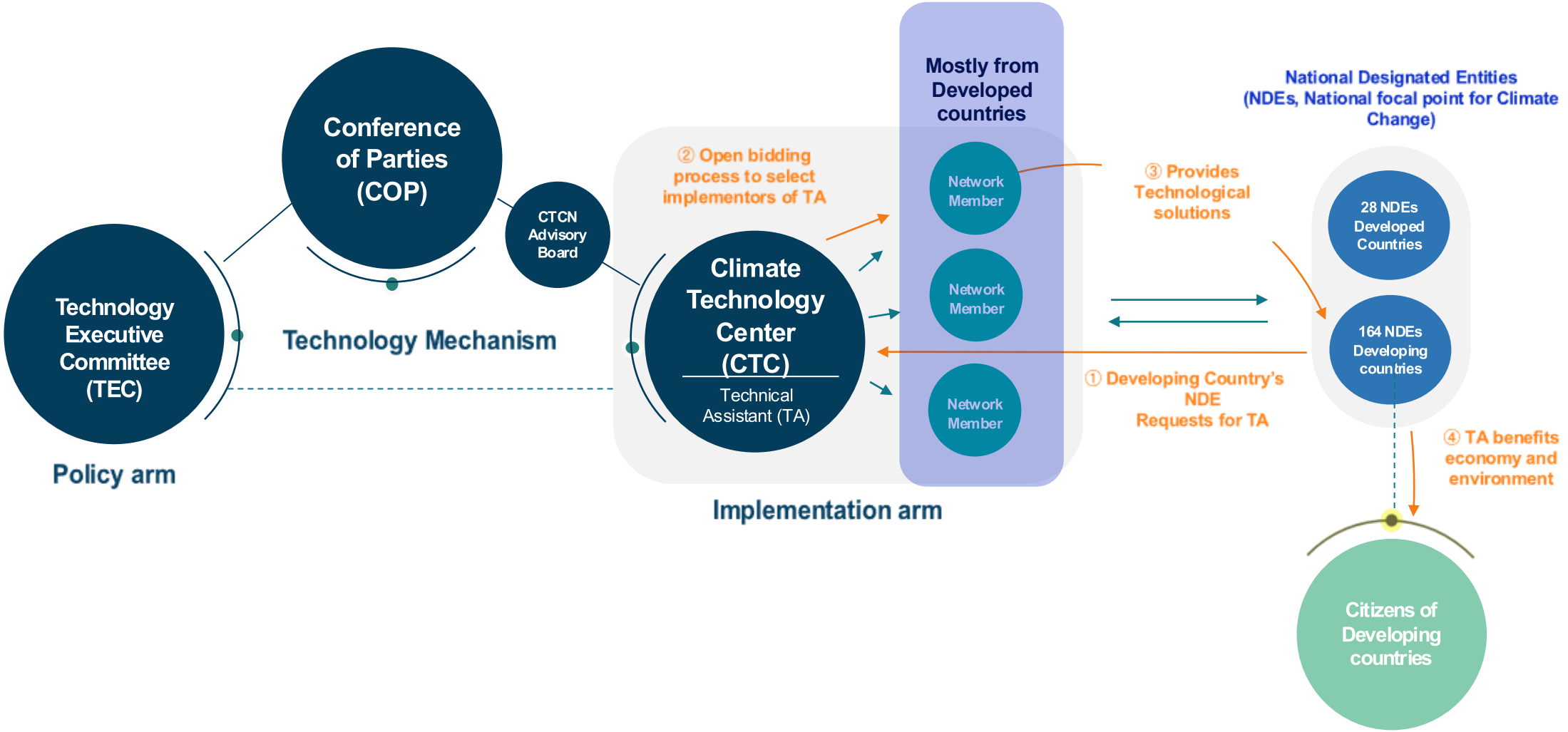
TEC Rolling Workplan (2023-2027)

Joint Activities Common Areas of Work

CTCN Programme of Work (2023-2027)

Demand-Driven Approach

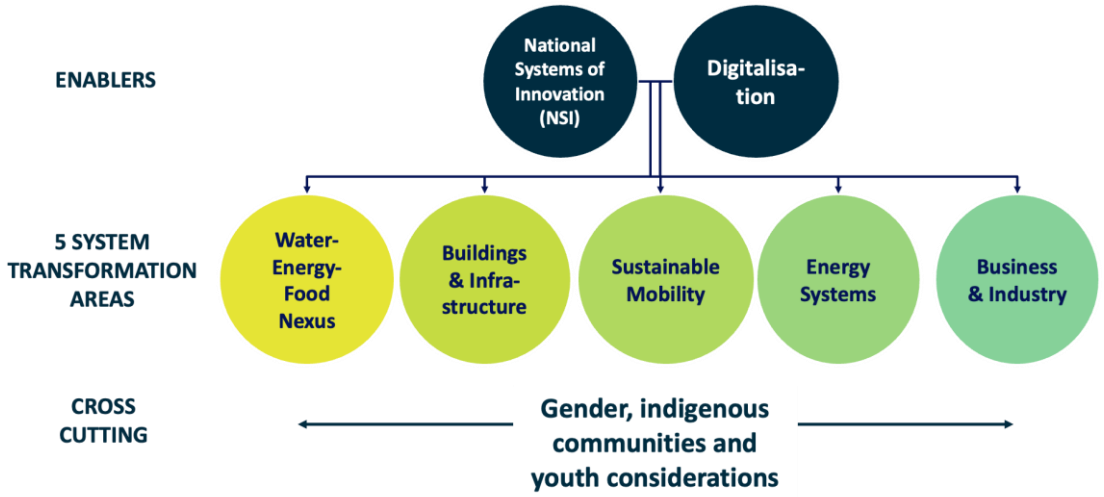
The Paris Agreement requires all Parties to implement 'Nationally Determined Contributions' (NDCs), in order to lower the global temperature below 2 degrees Celsius.



Joint TEC and CTCN meetings

- 2 times per year (Q1, Q3)
- TEC board members: Individual capacity
- CTCN board members: Parties

Take note, discuss, endorse, and approve





10 Years of CTCN: Snapshot

UN environment programme | CTCN UN Climate Technology Centre & Network

500+
requests for technical assistance received



370+
technical assistance projects implemented



1.5bn
of anticipated funding leveraged**

**Calculated considering a yearly operational budget of USD 10 million.



110+
Developing countries benefiting from CTCN technical assistance, of which 38% are LCDs and 16% are SIDS



6,900+
trained individuals



3-4
capacity building initiatives per month on average

200+
Million anticipated beneficiaries



10-15m
expected tonnes of CO2eq reduced per year*

*Average annual GHC emission potential based on the full implementation of the technology solutions proposed



840+
Network members



United Nations Environment Programme(1)



Executive Director
Inger Andersen

Deputy Executive Director
Elizabeth Mrema

Chief of Staff
Nicolas Bertrand

Executive Office

New York Office / Secretariat of the Environment Management Group
Ligia Noronha

Governance Affairs Office / Secretariat of Governing Bodies
Radhika Ochalik

Plastic Pollution Intergovernmental Negotiating Committee Secretariat
Jyoti Mathur-Filipp

Evaluation Office
Janet Wildish, a.i.

Chief Scientist
Andrea Hinwood

Chief Digital Officer
Sally Radwan

Regional Office for North America
Rafael Peralta
(Washington D.C., United States)

Regional Office for Africa
Rose Mwebaza
(Nairobi, Kenya)

Regional Office for Asia and the Pacific
Dechen Tsering
(Bangkok, Thailand)

Regional Office for Europe
Arnold Kreilhuber
(Geneva, Switzerland)

Regional Office for Latin America and the Caribbean
Juan Bello
(Panama City, Panama)

Regional Office for West Asia
Sami Dimassi
(Beirut, Lebanon)

Subregional Office for West Africa
Mohamed Atani
(Abidjan, Cote d'Ivoire)

Subregional Office for Southern Africa
Meseret Zemedkun
(Pretoria)

Addis Ababa Liaison Office
Margaret Oduk a.i. (3)
(Ethiopia)

Subregional Office for the Pacific
Jinhua Zhang a.i.
(Apia, Samoa)

China Country Office
Qian Wang, OiC
(Beijing)

India Country Office
Balakrishna Pisupati
(New Delhi)

Subregional Office for Central Asia
Aidai Kurmanova
(Almaty, Kazakhstan)

Russian Federation Country Office
Vladimir Moshkalo
(Moscow)

Brussels Liaison Office
Veronika Hunt Safrankova
(Belgium)

Vienna Programme Office
Harald Egerer (Austria)

Subregional Office for the Caribbean
Vincent Sweeney
(Kingston, Jamaica)

Subregional Office for the Southern Cone
Alberto Pacheco Capella
(Montevideo, Uruguay)

Brazil Country Office
Alberto Pacheco Capella a.i.
(Brasilia)

Mexico Country Office
Dolores Barrientos
(Mexico City)

Saudi Environment Sustainability Programme
Ayman Eltalouny
(Riyadh, Kingdom of Saudi Arabia)

Industry and Economy Division
Sheila Aggarwal-Khan

Ecosystems Division
Susan Gardner

Law Division
Patricia Kameri-Mbote

Early Warning and Assessment Division
Jian Liu

Climate Change Division
Martin Krause

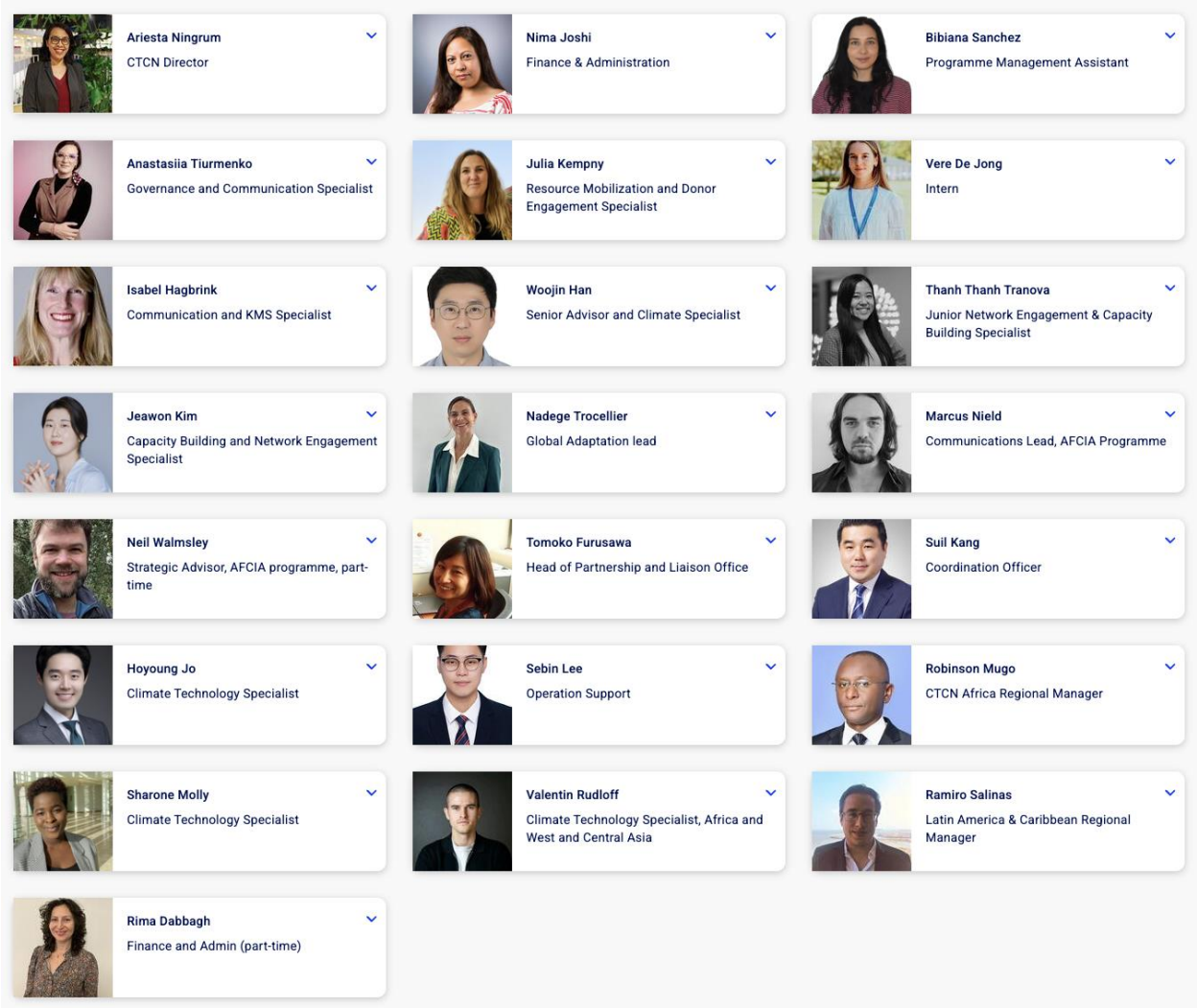
Communication Division
Daniel Cooney

Policy and Programme Division
Jyotsna Puri

Corporate Services Division
Soomi Ro

KEY:
(1) Please see below organizational structure for Multilateral Environmental Agreements and other Entities to which UNEP provides the Secretariat or Secretariat functions.
(2) UNEP also has regional presence through project offices, centres and secretariats that it hosts.
(3) a.i.: Ad Interim

CTCN Secretariat



HQ: Copenhagen, Denmark

Two regional presences: Africa, LAC

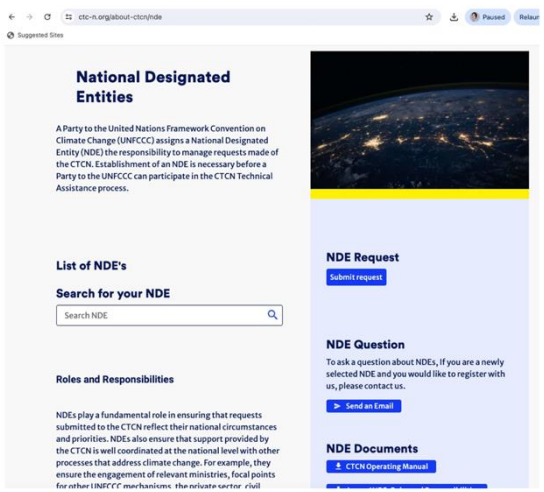
One Partnership and Liaison Office (PALO): AP

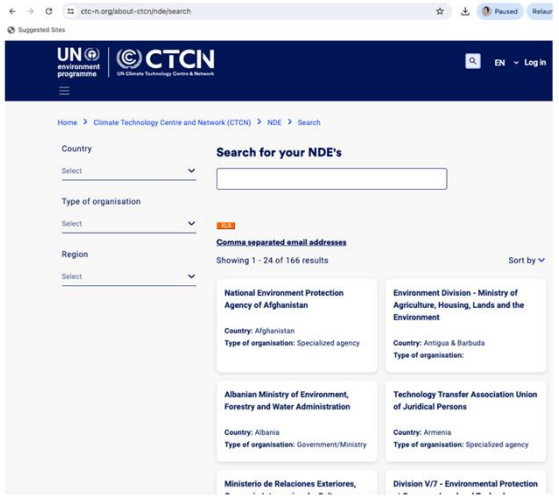
National Focal points (NDEs)

Paris Agreement: 194 countries (43 Annex 1, 151 Non-Annex 1)

196 NDEs representing 138 countries (27 Annex 1, 111 Non-Annex 1)

To search: https://www.ctc-n.org/about-ctcn/nde

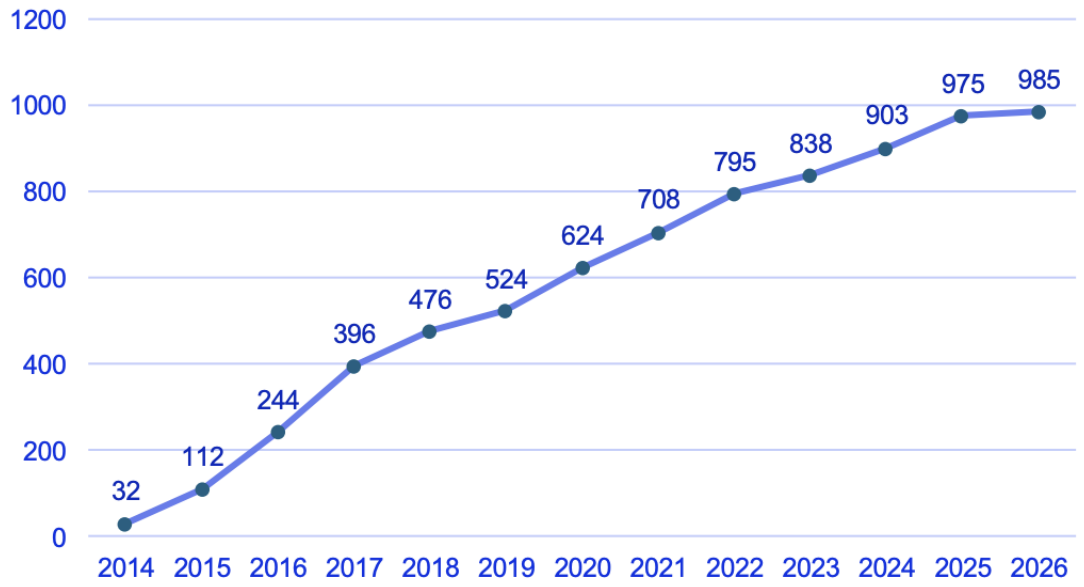




Network Overview: 2025

The Network has grown to have **985** members across the world

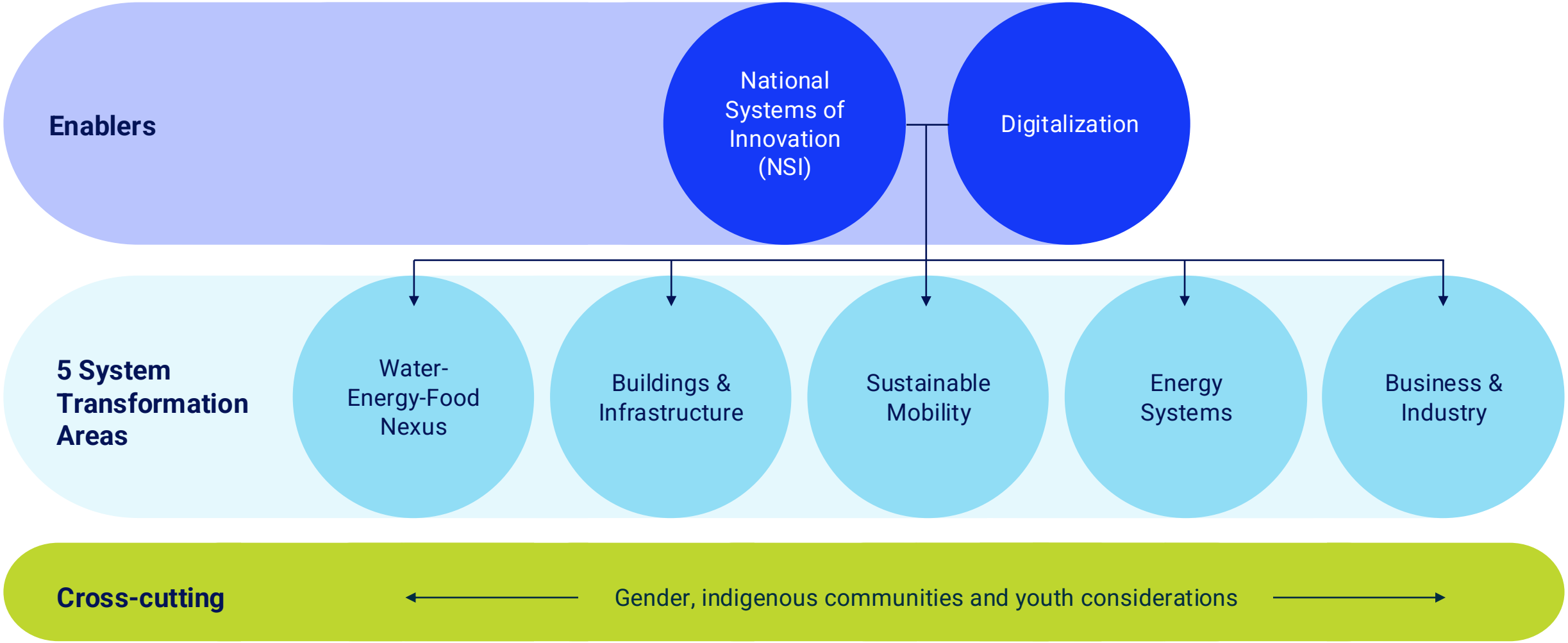
- 45.7% from Annex I / 54.3% from Non-Annex I
  - 44.3% WEOG, 32.1% Asia-Pacific, 11.9% Africa, 10.1% LAC, 1.7% Eastern Europe



Over half of the members are from the private sector, followed by research and academic institutions and NGOs.

Type of Organization	Counts	%
Private sector organization	534	54.2%
Research and academic institution	154	15.6%
Non-governmental organization	110	11.2%
Not for profit organization	79	8.0%
Public sector organization	49	5.0%
Intergovernmental organization	20	2.0%
Other	12	1.2%
Partnership	9	0.9%
Initiative	5	0.5%
Financial institution	5	0.5%
Specialized agency	3	0.3%
Government/Ministry	2	0.2%
Local government	1	0.1%
Regional organization	1	0.1%
Total	985	100.0%

CTCN's 3rd Programme of Work 2023-2027



2

CTCN services and portfolio

Interconnectivity in the CTCN's support areas

Capacity Building

Input to TA ideation at global/regional levels

1) Analyze developing countries' climate portfolio, global climate governance, and financing opportunities to design a capacity building programme agenda.

2) CTCN invites relevant stakeholders to the action-tailored programmes.

3) CTCN facilitates the co-ideation of bankable TA projects between NDE/representatives of NDEs, Network members, and financing entities/their focals.

2022 Digital agriculture to 4 TAs
2023 GH to 6 TAs
2024 AI to 10 TAs

Technical Assistance

Implementation at national levels

4) Interested parties in developing countries contact their national focal point (NDE) to request technical assistance, then step through 5 sequential processes for delivery of TA service.

Knowledge Sharing

Output to impact at global/regional levels

5) The CTCN regularly reaches out to the NDEs, project implementers and project proponents to follow up to collect the lessons learned and impacts achieved in countries.

2025 Region-tailored thematic CB

Facilitating multi-regional TA ideation

Climate Finance

2025

Asia (2-3 September)
Africa (23-25 July)
Latin America and Caribbean (21-22 May)

Objectives

- Introduction to the UNFCCC Technology Mechanism
- Workshop on Scalable Digital Projects: a hands-on workshop aimed at learning concepts and tools to design and develop scalable climate technology projects.

Co-creation for System Transformation

2025

SIDS (3-5 Dec)

Objectives

- Introduction to the co-creation concept, tools, and techniques
- Mapping a system-transformative network
- Knowledge on climate integrity and accountability, leading the creation of co-benefits that national and global climate actors seek.



2026 Global thematic CB

Facilitating multi-regional TA ideation

System Transformation

COP decisions	#AI4ClimateAction BTIP (Tech selection)	**NDC analysis**	TNA TAP	**Internal consultation**	AOP TA teams

Region-specific themes

- Africa (March 26): National Systems of Innovation for Climate Resilience and Access
- LAC (May 21-22): Cross-Sector System Transformation at the Water-Energy-Food Nexus
- Asia (July 9): Integrating Energy Technologies for System transformation
- SIDS in the Pacific (Sep 15): System Transformation for Adaptive Management through AI in Energy sector
- Eastern Europe (TBC): System Coordination for Energy Transition and Grid Modernization

Key details

Purpose: Knowledge enhancement for TA ideation

Format: Back-to-back with Fora and other activities

Continuity: Online courses on 2025 themes (SROI, CBE)



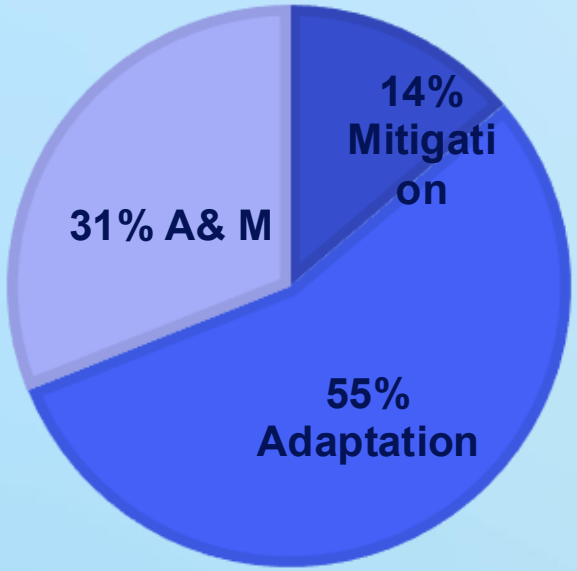
Technical Assistance (TA): 5 Types

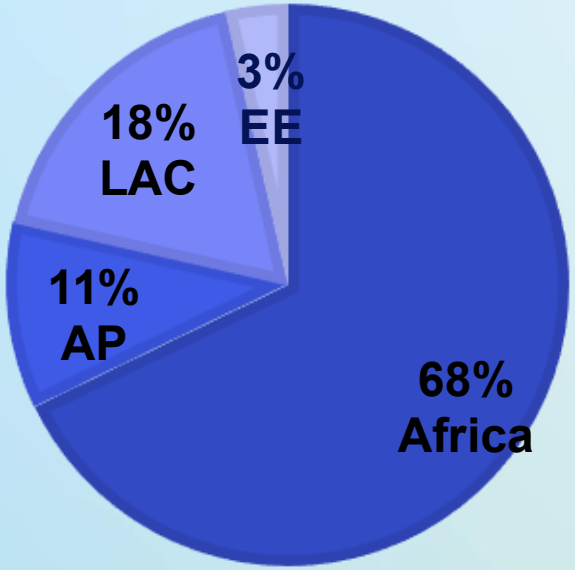
- Policy design, development (framework, roadmaps)
- Develop methodologies or tools
- Pre-feasibility studies
- Capacity Building of Communities
- Small-scale pilot testing

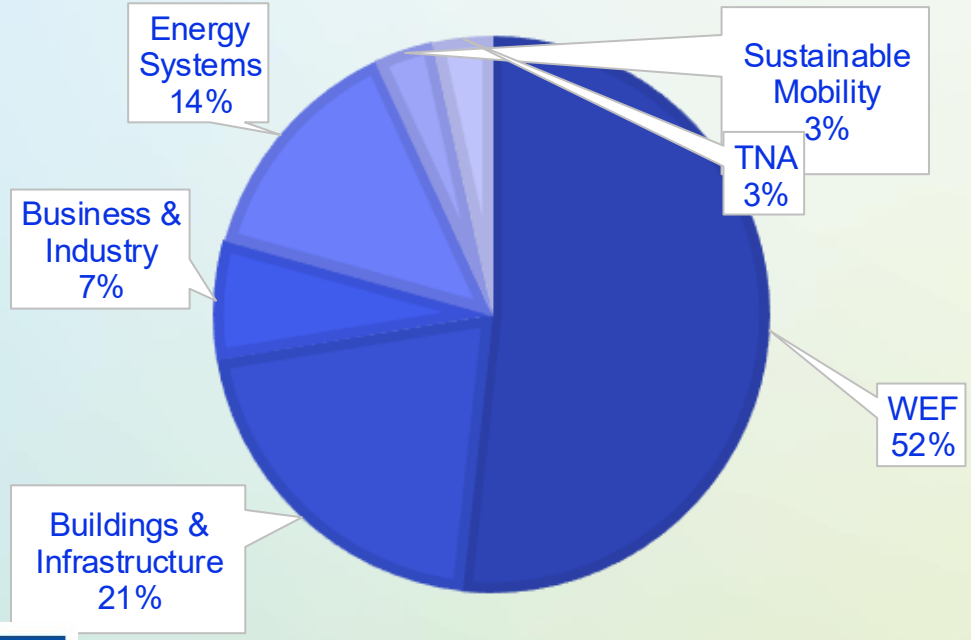
2025 Overview of TA projects

162 TA interventions at various stages of implementation

29 TA interventions completed in 2025







Out of the 29, 8 were completed under AFCIA I, 1 under GCF Readiness, 2 were probono RoK TAs and 12 were funded under the two EC programmes. 10 are with strong AI components (#AI4ClimateAction)

TA projects - National capacity building

Bangladesh

Mode: Training

Participants: Government officers on disaster management personnel with stakeholders both from the central and the local governmental level

Content: Use of a forecasting system for hydrological forecasting to ensure a whole-of-government technology transfer aimed at enhancing longer lead-time flood forecasting and strengthened community dissemination

Chile

Mode: Workshops

Participants: Government officials, academia, NGOs and the private sector,

Content: The results from the TNA, which include four technology action plans, are being integrated into the 17 sectoral plans that make up Chile's Climate Change Law.

Follow-up: The high-level closure meeting was attended by over 80 representatives from ministries and key stakeholders.

South Africa

Mode: Training

Participants: Employees of the city of Mbombela and the University of Mpumalanga on an integrated forest policy decision support system.

Content: The overall concept and mechanism of the system was introduced and trainings were conducted to ensure locally-led maintenance and development of the system in future.

Technical Assistance Process

NDEs	*NDE &CTCN Secretariat*	*CTCN Secretariat*	*A network member (Implementing partners)*	*NDE & IP*
1 Request Submission	**2 Response Plan Design**	**3 Bidding Process**	**4 Project Implementation**	**5 Monitoring and Evaluation**
Evaluation of requests for technical assistance within **2 weeks**, depending on clarity of the request.	Development of response plans within **2-3 months**, provided that the necessary information is available and key stakeholders are responsive.	Conduct of the competitive bidding process for about **8 months** depending on UNON procedures	Delivery of the technical assistance between **12-18 months** depending on the requested activities.	Execution of monitoring and evaluation activities on an **ongoing basis**.

3

Regional Summaries for the last 6 months

Asia and the Pacific: TAs Under Implementation

Country	Title	System transformation areas	Category
Mongolia	Reducing smallholder vegetable farmers' vulnerability to climate change impacts including water scarcity in Mongolia through EbA and digitalized risk mitigation insurance solutions	WEF nexus	Adaptation
Uzbekistan	Pre-feasibility study for groundwater desalination and resource recovery in Uzbekistan	WEF nexus	Adaptation/Mitigation
Bangladesh	Feasibility research of Solar Electric-Based Cold Warehouse equipped with Low-temperature Latent Heat Material for Fruit Storage in Bangladesh Climate Conditions	WEF nexus	Adaptation/Mitigation
Vietnam	Strengthening salinity intrusion data sharing and forecasting for adaptation to climate change impacts in the Mekong Delta of Viet Nam	Buildings and infrastructure	Adaptation/Mitigation
PNG	Pre-feasibility study on Ocean Energy focusing on Salinity Gradient Energy Technology and Electrochemical Ocean Thermal Energy Conversion	Energy systems	Mitigation
Maldives	Feasibility study on green hydrogen potential in Maldives and development of a national roadmap for sustainable energy transition	Energy systems	Mitigation
Fiji	Technical capacity enhancement for climate-resilient agriculture through the revision of national policies and the improvement of data management systems	WEF nexus	Adaptation
Cambodia	Development of National Green Hydrogen Roadmap for Accelerating Carbon Neutrality	Energy systems	Mitigation

8

TAs under various stages of implementation, in adaptation, mitigation and cross-cutting sectors.

8 TAs under implementation (4 WEF nexus, 3 Energy systems, 1 Buildings and Infrastructure).

Asia & Pacific: Closed & New TA Requests

- 2 TAs have been completed during the last 6 months.
  - **Nepal**: Customized weather and climate information system for climate-resilient agriculture in Nepal
  - **Timor-Leste:** Formulating a National Electricity Grid Code and Development of a Net Metering Policy in Timor-Leste



- 3 TAs nearing their conclusion: **PNG** (ocean energy), **Bangladesh** (solar-based cold storage), **Cambodia** (green hydrogen).



- K-probono: **Cambodia** (green hydrogen) started its implementation in Aug 2025.





- Trends in Requests:
  - TA requests on green hydrogen-based fertilizer production (Nepal)
  - EWS (Vietnam, Laos)
  - Waste management and circular economy (Kyrgyzstan)
  - AI-related weather and climate data (Tajikistan), Transboundary water management (Cambodia), Rainwater harvesting (Cambodia)
  - Multi-country for the Pacific: A regional roadmap for an open-source knowledge-sharing and capacity-building platform (PNG, Fiji)



Africa: TAs Under Implementation

Country	Title	System Transformation Area	Category
Algeria	Feasibility study and technical support for a waste-to-energy pilot project at a cement plant owned by Groupe Industriel des Ciments d'Algérie	ES	Mitigation
Burundi	Smart Irrigation & Rainwater Harvesting in Burundi	WEF	Adaptation
Comoros	Pre-feasibilityStudy for the Use of Photovoltaic Systems on the Roofs of Public Buildings in the Comoros, with a Connection to the Grid, and the Definition of a Net Metering Policy	ES	Mitigation
Cote 'd Ivoire	Development of Sustainable Biochar Production and Application for Climate Mitigation and Adaptation in Côte d'Ivoire	WEF	Adaptation
Cote 'd Ivoire	Smarter Farming: AI's Role in Ivorian Agriculture	WEF	Adaptation
DRC	Incubation Program to develop and scale-up conservation agriculture and sustainable agro-forestry practices and technologies in the Democratic Republic of Congo	WEF	Adaptation
DRC, Togo, Guinea, Senegal	Diagnosing the feasibility of a pilot Agrivoltaic technology project in West and Central Africa across four countries (DRC, Senegal, Guinea, Togo)	WEF	Adaptation
Gambia	Introducing Phase Change Materials (PCM) into the Gambia's cold chain to address post-harvest loss and other waste across the primary sector	WEF	Adaptation/Mitigation
Guinea	Assessment of Green Hydrogen Potential and Development of a National Strategy in Guinea	ES	Mitigation
Liberia	Feasibility and Viability Study for Implementing Blue-Green Infrastructure for Urban Resilience in Liberia	BI	Adaptation
Liberia	Provision of Technical Guidance to develop a renewable energy investiment framework to increase the share of renewable energy-based electricity generation to achieve Liberia's NDC commitments	ES	Adaptation
Mali	Capacity building of ESCOs on digital energy audits (energy systems, mitigation+adaptation) Signature month: November 2025	ES	Mitigation
Mozambique	Development of a Framework and Roadmap for a National Innovation System to foster low-carbon and climate resilient economic development in Mozambique	BI	Adaptation/Mitigation
Mozambique	Enhance resilience to floods by introducing technology for flood risk mapping and simulation to formulate relevant policies and counter measures in the most flood affected areas	WEF	Adaptation
Senegal	Development of a Decarbonization Roadmap in the Cement Sector through Advanced Technology Upgradation and Enhanced Standards	BI	Mitigation
Senegal	Floating Solar Panels in Senegal: Feasibility Study for Kaffountine Diémbéring, small coastal towns of lower Casamance		Adaptation/Mitigation
Tanzania	Support for the Establishment of Tanzania Climate Innovation Centre (TCIC) within the Tanzania Commission for Science and Technology (COSTECH).	BI	Adaptation/Mitigation
Togo	Resilience of fishermen, fishmongers and mangrove restoration in the maritime region of Togo	WEF	Adaptation
Tunisia	Capacity building of managers and technicians of the Tunisian Navigation Company (CTN) as well as national energy auditors and maritime transport stakeholders in terms of energy transition and the effect of GHG emissions on the climate	ES	Mitigation
Zimbabwe	Development of a Decarbonization Roadmap in the Cement Sector through Advanced Technology Upgradation and Enhanced Standards - Zimbabwe	BI	Mitigation

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TAs under various stages of implementation, in adaptation, mitigation and cross-cutting sectors. WEF = 8; Business & Industry = 2; Energy Systems = 5; Buildings & Infrastructure =5

Africa: Closed & New TA Requests

- Closed/nearing closure: Comoros (PV/net metering policy); SSFA-closed: Chad, Mali.

- **10 TAs contracted in the last 6 months.**

- Trends in Requests:
  - 3 requests from Botswana (**ESCOs-prioritize**, solar power for health facilities, and biogas)
  - **Under bidding: Burundi (insurance); Ivory Coast (AI in agriculture); Sierra Leone (aquaculture zoning).**
  - **Senegal – SF6 (in prep)**
  - **Ethiopia – cement (in prep)**
  - Trends in a mix of adaptation and mitigation.
  - Requests for projects with pilot demonstrations.



LAC: TAs Under Implementation

Country	Title	System Transformation Area	Category
Ecuador	Adoption of climate technologies applicable to Micro, Small and Medium Enterprises (MSMEs) in the floriculture sector in Ecuador.	BI	Adaptation
Ecuador	Implementation of improvements to the National Drought Monitor of Ecuador (MONSE) for the integration of a drought risk scenario module	WEF	Adaptation
Peru	Feasibility assessment to develop an aquaponics facility based in a semi-enclosed/protected environment as a climate change adaptation measure to be replicated in Peru	WEF	Adaptation
Saint Kitts and Nevis	Improvement of water supply management through a GIS-based monitoring and control system for water loss reduction in Saint Kitts and Nevis	WEF	Adaptation
Uruguay	Scaling up low-carbon, climate-resilient businesses led by women and young people in Uruguay	BI	Adaptation
Uruguay	Assessment of innovative adaptation technologies in cities of Uruguay	BI	Adaptation

6

TAs under implementation (3 WEF, 2 Business and Industries, 1 Buildings and Infrastructure).

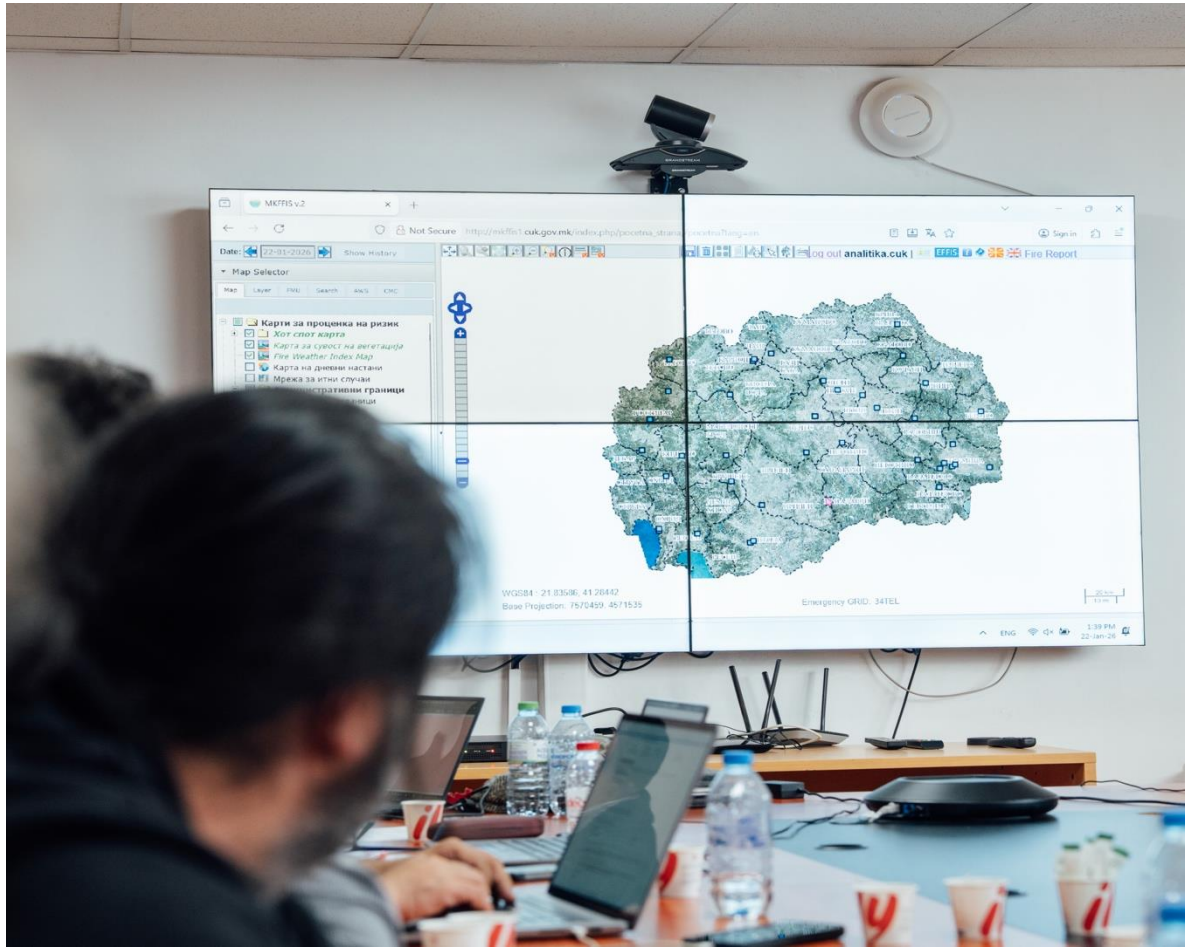
LAC: Closed & New TA Requests

- **2** TAs have been completed in the period October 2025-Feb 2026.
- **3** TAs contracted in the last 6 months.
- Trends in Requests:
  - •TA requests on Early Warning Systems, AI applications in the water and agriculture sectors, innovative technologies, soil restoration.
  - •Circular Economy.
  - •Technology needs assessment for NDC implementation, (Panama and Suriname).
  - •Colombia (forest fire), Costa Rica (mangroves), under contracting.
  - •Chile (AI water sector), Cuba (Agro-environmental observatory), under bidding.



Eastern Europe

- 1 TA under implementation in North Macedonia (Wildfires information system enhancement project in North Macedonia)



List of TA requests did not meet CTCN's 3rd PoW : Africa

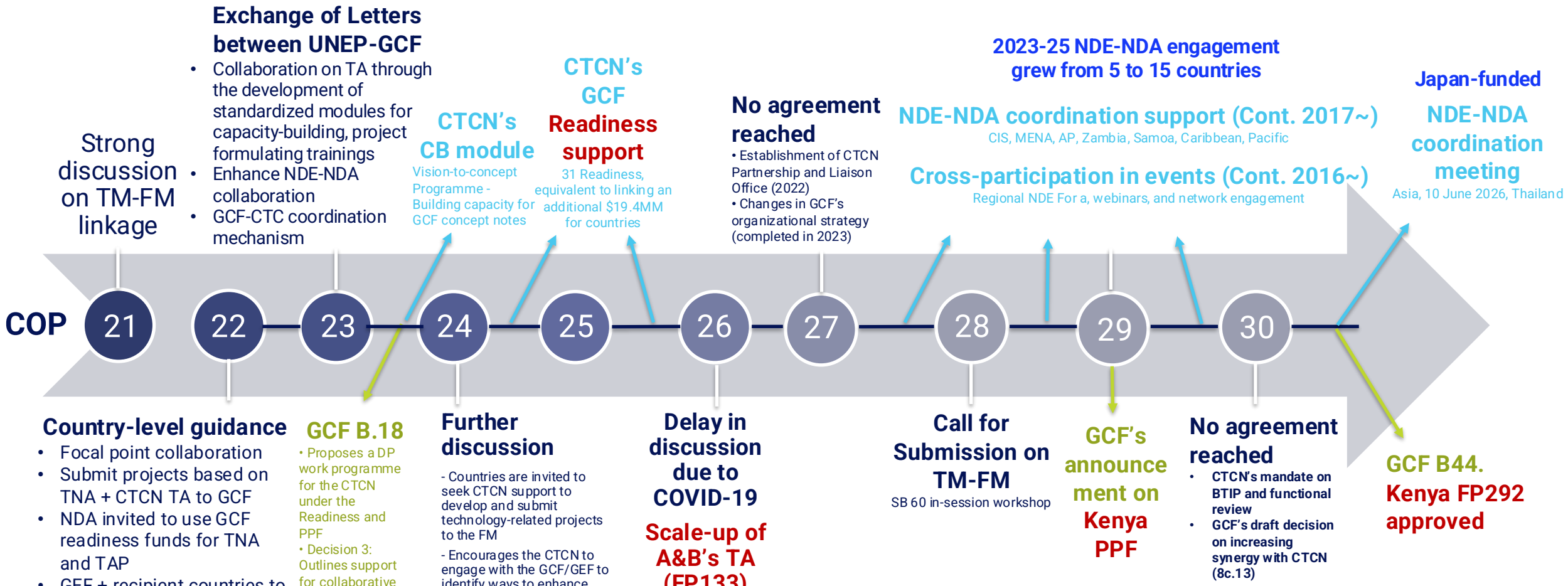
Requests that were initially targeting AFCIA II which are now deemed ineligible

- **Togo**: solar cooking, Reducing the demand for firewood and charcoal by introducing domestic production of solar cooking technologies in Togo | Climate Technology Centre & Network | Mon, 04/20/2026
- **Eswatini**: still working with the country on collaboration opportunities with WMO (RP is available)
- **Uganda**: received during the NDE forum on floating solar panels for agriculture (Idea stage)
- **Botswana**: strengthen climate resilient clean cooking and energy security through scalable biogas technology deployment in underserved districts of Botswana (request received recently)
- **Botswana**: enhance climate-resilient health services through the deployment of solar PV and energy storage solutions for clinics in remote, off-grid settlements of Botswana (request received recently)
- **Togo**: e-mobility / non-motorised mobility (expression of interest received 1-2 years ago)
- **Eswatini**: E-mobility (expression of interest received 1-2 years ago)

3

Collaboration between GCF and CTCN

History of intergovernmental progress on TM-FM linkages



Future of CTCN (2027~)
BTIP, Co-creation, and Indigenous peoples

- Approved at COP30, the **Belém Technology Implementation Programme (BTIP)** is a new initiative designed to advance the climate technology agenda

  > CTCN's Role: Accelerates the transfer of environmentally sound technologies, providing technical assistance, capacity building, and policy guidance. We are asked to support matchmaking and proposal development, thus need support from the relevant stakeholders.

- **Co-creation with NMs and support for NDEs in selecting technologies**

  > CTCN's response: Programmatic approach in increasing NMs engagement in bankable TA design (e.g., Network Fair), articulation of demand of NDEs

- **Emphasis on locally-led, indigenous peoples**

  > CTCN's response: Active engagement of local communities, indigenous peoples' voices in TA development and implementation

Types of service to collectively support countries



Establishing an enabling Environment: GCF Readiness

31 Readiness 1.0 projects as a Delivery Partner

Strengthening enabling environment: Country-led

- 2016 Bosnia Herzegovina TA to 2019 EBRD Green Cities Program
- 2020 Antigua & Barbuda CTCN TA to FP133
- 2024 Kenya PPF090 to 2026 FP292

Enhancing enabling environment for implementation: Network-supported

- 2025 PNG KIER
- 2026 Pakistan GGGI

Spotlight on GCF success story

UN environment programme | CTCN UN Climate Technology Centre & Network

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Technical Assistance | Networking & Collaboration | Capacity Building | Resources | What's Happening | About CTCN

Home > What's happening > News > CTCN-Supported KCB Proposal Unlocks $96.9 Million To Scale Climate Technologies Across Kenya

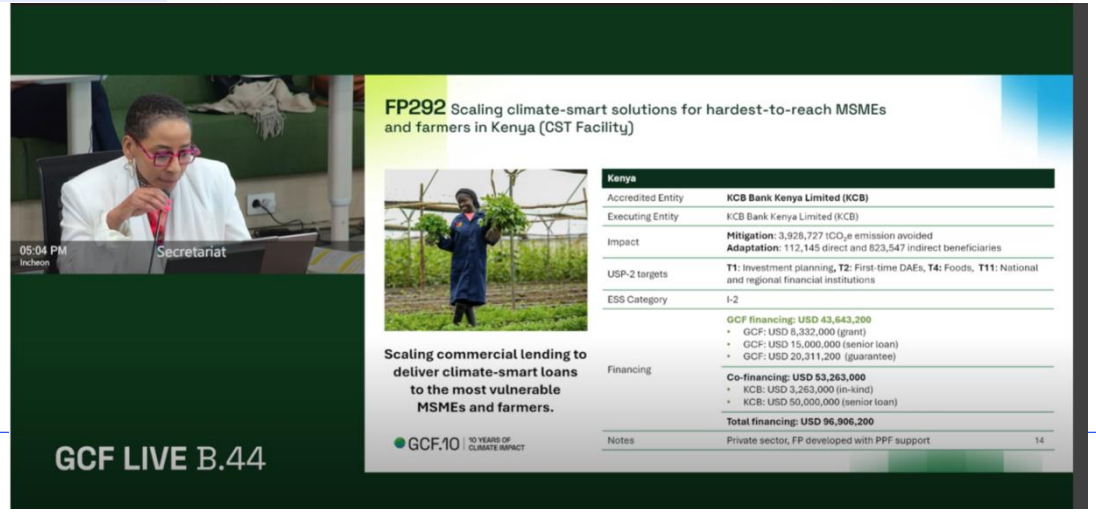


CTCN-Supported KCB Proposal Unlocks $96.9 Million to Scale Climate Technologies Across Kenya

14 Apr 2026 - 12:00 PM

In a breakthrough for climate technology deployment, the Kenya Commercial Bank (KCB) has secured financing from the Green Climate Fund (GCF) to the tune of USD 43.6 million dollars for a 96.9 million dollar programme for the establishment and demonstration of a scalable, de-risked local currency lending facility for climate-vulnerable farmers in Kenya. This was facilitated with the initial support from the UN Climate Technology Centre and Network (CTCN) and its network member Sustainable Solutions for Africa (SSA), for securing a GCF Project Preparation Facility grant.

News facts



GREEN CLIMATE FUND

Meeting of the Board
25 - 28 March 2026
Songdo, Incheon, Republic of Korea
Provisional agenda item 10

GCF/B.44/02/Add.08
4 March 2026

Consideration of funding proposals – Addendum VIII

Funding proposal package for FP292

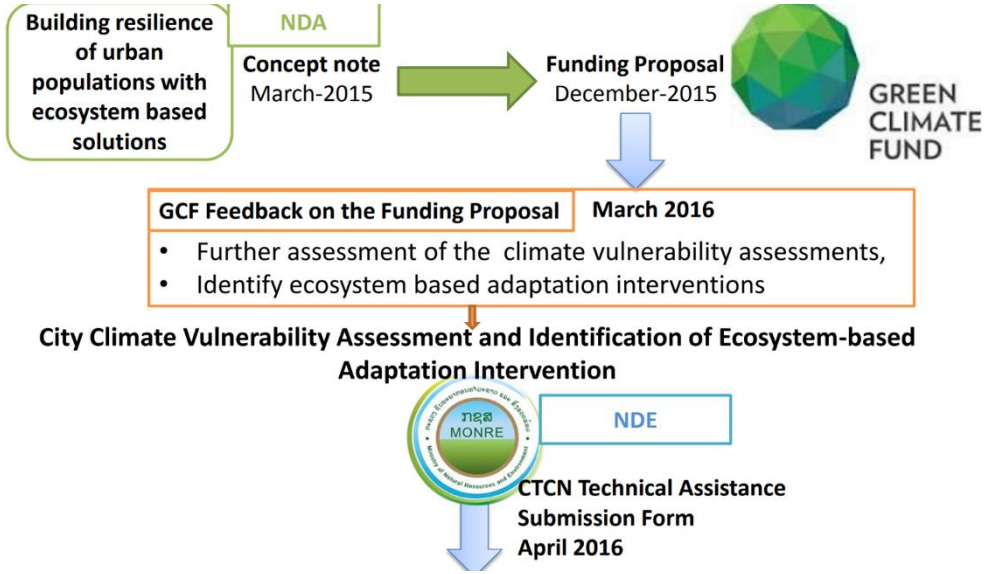
Summary

This addendum contains the following six parts:

a) A funding proposal summary titled "Scaling climate-smart solutions for hardest-to-reach MSMEs and farmers in Kenya (CST Facility)";

Scale up of completed TAs: Country-led

Lao PDR



Identify ecosystem based adaptation interventions that will be able to respond sufficiently to reducing climate risks faced by cities

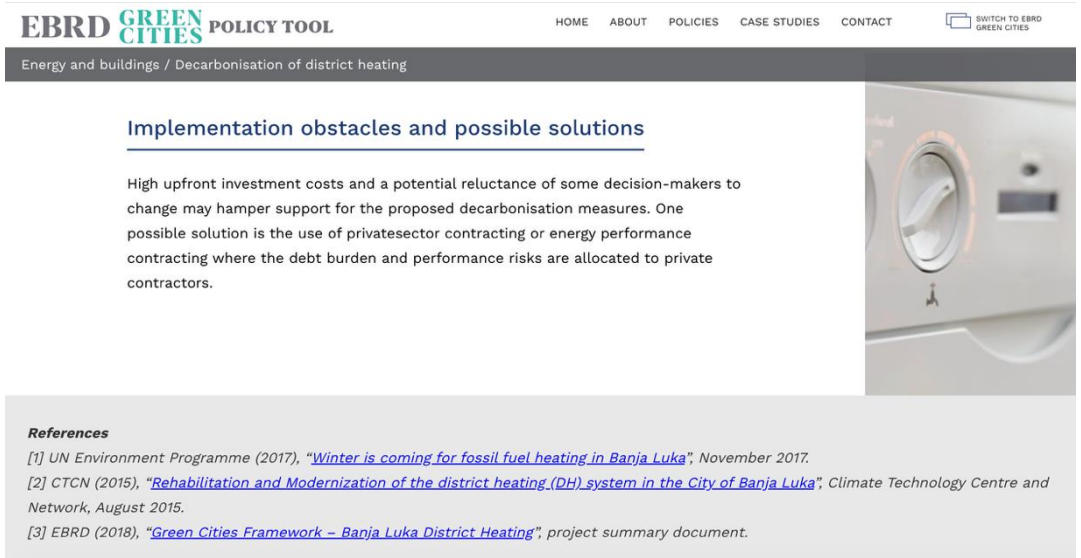


'2015: the NDA proposed a project to the GCF
'2016: the NDE submitted a TA request to respond to the GCF's feedback
'2017: The TA approved and went on implementation
'2019: The TA completed
'2022: Scaled up to the GEF project

Scale up of completed TAs: Country-led

Bosnia and Herzegovina





'2015: the NDE requested a CTCN TA
'2016: €15 million investment agreement by the European Bank for Reconstruction and Development (EBRD) - New biomass boilers, network upgrades, and other efficiency measures.

Recent efforts: National-level coordination meetings

CTCN's logistical support scheme ($5,000) – Cambodia, Somalia, Sudan

Date & time: 17 July 2025, 9am – 5pm

Venue: Ministry of Environment, Cambodia

Participants: MoE, MISTI, MPT, ARDB, Network members, Universities

Key insights

- Marked as the first time in the history of Cambodia's MOE to run the workshop on climate technology (separate from the national working group)
- 3 TA ideas were generated (1 on digitalization, 1 on adaptation, 1 on mitigation)
- 1 TA submitted (under RP development)

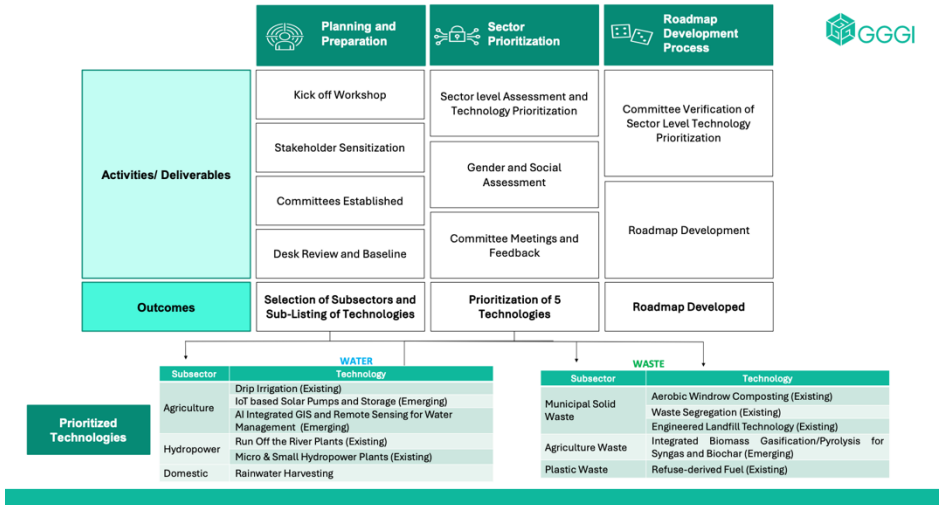


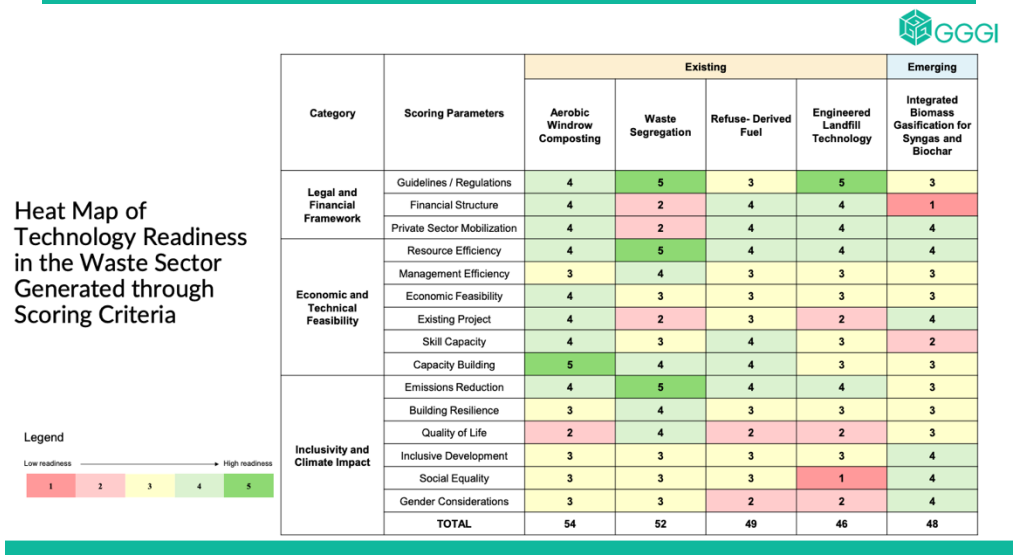




Recent efforts: Network-Supported – Relay race

Pakistan





Category	Scoring Parameters	Existing				Emerging
		Aerobic Windrow Composting	Waste Segregation	Refuse- Derived Fuel	Engineered Landfill Technology	Integrated Biomass Gasification for Syngas and Biochar
Legal and Financial Framework	Guidelines / Regulations	4	5	3	5	3
	Financial Structure	4	2	4	4	1
	Private Sector Mobilization	4	2	4	4	4
Economic and Technical Feasibility	Resource Efficiency	4	5	4	4	4
	Management Efficiency	3	4	3	3	3
	Economic Feasibility	4	3	3	3	3
	Existing Project	4	2	3	2	4
	Skill Capacity	4	3	4	3	2
	Capacity Building	5	4	4	3	3
Inclusivity and Climate Impact	Emissions Reduction	4	5	4	4	3
	Building Resilience	3	4	3	3	3
	Quality of Life	2	4	2	2	3
	Inclusive Development	3	3	3	3	4
	Social Equality	3	3	3	1	4
	Gender Considerations	3	3	2	2	4
	TOTAL	54	52	49	46	48

'2022: the NDE requested a CTCN TA
'2024: Concept note to Adaptation Fund
'Ongoing A: Biochar accelerator programme with Italian cooperation (USD 5M, blended financing)
'Ongoing B: Water-efficient irrigation technologies with CGIAR for SAP

Recent efforts: Network-Supported - Design with cities



‘2026: CTC Network members hosted training on scalable climate project development for 6 cities in the Philippines

GCF representative covered country platform, circular economy model, finance architect

CTCN facilitated climate-narrative-led project design workshop

Cities will revise the request forms, seek NDE and NDA consultations on increasing the scalability of the requests

Call for liaison officers' support

Country	NDE name	Organization	Position	Email	NDA name	Organization	Position	Email
Same Ministry, Same persons: The officer may consider mapping out CTCN and GCF modalities to fully benefit from these.								
Grenada	Ms. Peron Johnson	Permanent Secretary (Ag.), Ministry of Climate Resilience, t		Ps@cre.gov.gd	Ms. Peron Johnson	Ministry of Clima	Permanent S	ps@cre.gov.gd
Vanuatu	Mr. David Gibson	The Ministry of Climate Char	Director General	dgibson@vanuatu.gov.vu; ge	Mr. David Gibson	Ministry of Clima	Director Ger	dgibson@vanuatu.gov.vu
Tonga	Mr. Sione 'Akau'ola	Ministry of Meteorology, Ene	Chief Executive Officer	folaosi@gmail.com	Mr. Sione 'Akau'ola	Ministry for Mete	Chief Execut	folaosi@gmail.com
	Ms. Luisa Malolo	Ministry of Meteorology, Ene	Director of Cimate Change	ituiafitumalolo@gmail.com				
Same Ministry, Different persons: Encourage ministry-level coordination. NDEs and NDAs may consider CTCN modalities as versatile/bridging scheme to GCF modalities.								
Eswatini	Mr. Bafana Simelane	Ministry Tourism and Environmental Affairs, Meteorology D		bafanasim@gmail.com	Ms. Khangeziwe Mabuza	Ministry of Touri	Principal Se	khange@hotmail.com
Georgia	Ms. Masho Kakhnelid	Ministry of Environmental Pr	Head of the Climate Change D	masho.khakhnelidze@mepa	Ms. Nino Tandilashvili	Ministry of Envir	Deputy Mini	nino.tandilashvili@mepa.gov.ge
Guatemala	Mr. Edwin Josué Caste	Ministerio de Ambiente y Re	Vice Minister of Natural Resou	ejcastellanos@marn.gob.gt,	Her Excellency Ana Patric	Ministry of Envir	Minister of E	hachinchilla@marn.gob.gt; hmhernandez@marn.gob.gt
	Ms. Andrea Domenika	Ministerio de Ambiente y Re	Coordinadora de Cooperación	adfernandez@marn.gob.gt, cooperacioninternacional@marn.gob.gt, caramirez@marn.gob.gt				
Mauritania	Mr. Sidi Mohamed Oul	Ministère de l'Environnemen	Director of Climate Change	elwavi.sm@gmail.com	Mr. Moulaye Driss	Ministry of Envir	Secretary Ge	mybradriss@gmail.com
Mongolia	Ms. Narangaravuu Alta	Climate Change and Internat	Senior Analyst in the Internatic	narangaravuu@mecc.gov.mn	Mr. Odkhuu Durzee	Ministry of Envir	Advisor to th	meas@mecc.gov.mn
Different Ministry, Different persons: Leverage on GCF dialogues, NDE forum to build a rapport & Encourage cross-partication in TA/Readiness/PPF project committee group to share a progress.								
Botswana	Ms. Penny Lesolle	Botswana Institute for Tech	Researcher	plesolle@bitri.co.bw, plesolle	Ms. Catherine Matongo	Ministry of Finar	Chief Econo	cmatongo@gov.bw
Brazil	Mr. Márcio Rojas da C	General Coordination of Clim	General Coordinator of Climate	cgcl@mcti.gov.br; mrojas@n	Dr. Mathias Jourdain de A	Secretariat for Ir	Secretary fo	AND.GCF@fazenda.gov.br
Gambia	Mr. Sambou Kinteh	Ministry Of Environment Clin	Senior Climate Change Officer	kintehsambou9@gmail.com	Ms. Isatou Camara	Ministry of Finar	Director of C	aisharahman84@yahoo.com
Malawi	Mr. Lyson Kampira	National Commission for Sc	Chief Research Services Offic	lkampira@ncst.mw, lkampira	Mrs. Tawonga Mbale-Luk	Environmental A	Director	tawongam@yahoo.com
Palau	Mr. David Idip	Palau Automated Land and F	Chief of Staff	davididip@gmail.com	Mr. Xavier Erbai Matsutar	Office of Climat	National Clir	xavier@palaupresident.info; xavier@president.gov.pw
Sao Tome and Principe	Mr. Abenilde Tomé Pir	Direcção de Indústria/Serviço	Nacional da Propriedade Ind	abenildep@hotmail.com	Dr. Fausto Policarpo Abre	Ministry of Econ	NDA Focal F	viegasdeabreufn@gmail.com; fausto.neves@mef.gov.st
No NDE, only NDAs: Nudge NDAs to consult with relevant ministries and nominate an NDE via UNFCCC focal point.								
Angola	No NDE				Ms. Arlette Massala	Ministry of Envir	NDA Focal F	arlette.m170@gmail.com
Cabo Verde	No NDE				Mr. Gilson Pina	Ministry of Finar	National Dire	gilson.g.pina@mf.gov.cv

Next in-line: NDE-Engagement Opportunities

- Capacity building on Cement: July 6-8, Addis Ababa, Ethiopia
- Asia NDE Joint Programme: July 7-10, Pattaya, Thailand
- Learning visit on Green hydrogen and fuel cell: July 14-16, Daejun, RoK
- Learning visit on Energy Storage System: Sep 1-4, Jeju, RoK
- Accelerating Climate Technology Deployment in Africa - Committee of Permanent Representatives of UNEP: September 7-11, Nairobi, Kenya
- SIDS NDE Joint Programme: Sep 14-18th, Busan, RoK
- Eastern Europe NDE forum: Oct TBC

UN environment programme | CTCN
UN Climate Technology Centre & Network

UNFCCC_CTCN
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DK-2100 Copenhagen, Denmark
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Ministero dell'Ambiente e della Tutela del Territorio e del Mare
NDC Partnership
Spanish Cooperation
Federal Ministry
Republic of Austria
Climate Action, Environment, Energy, Mobility, Innovation and Technology
Ministry for Foreign Affairs of Finland
Comhshaol, Pobal agus Rialtas Áitiúil
Environment, Community and Local Government

Additional information: TA Process and 2025 global portfolio by 5 areas

Request Submission

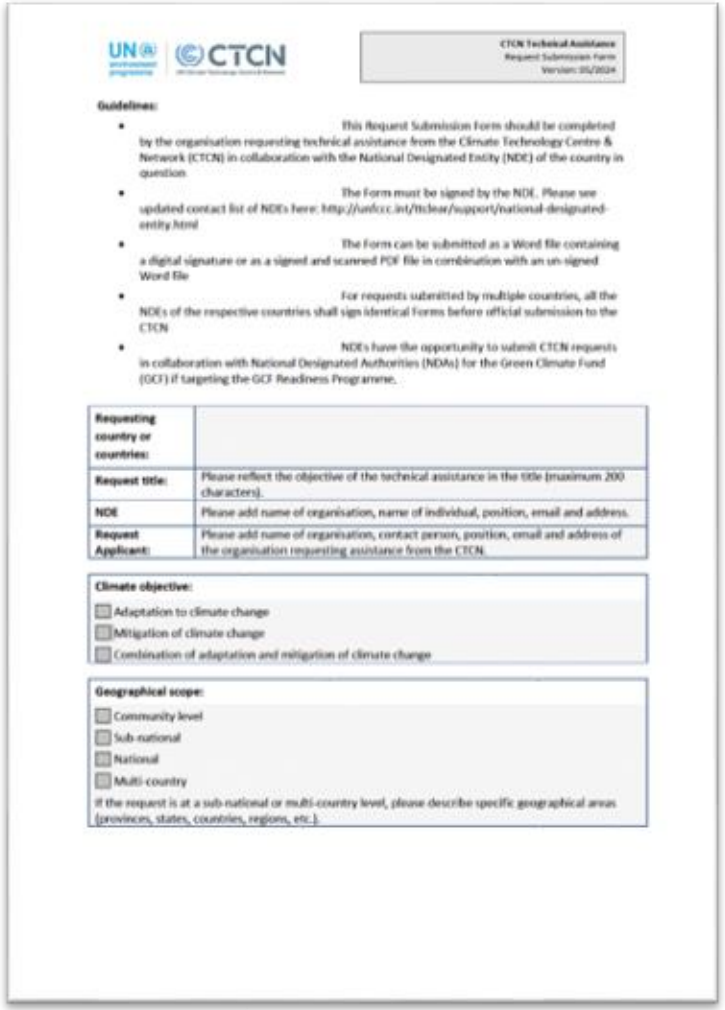
Interested parties in developing countries contact their national focal point (NDE) to request climate technology assistance, using the request template.

The NDE confirms the alignment of the request with its national climate priorities and passes it along to the CTCN.

Requests can be submitted on a rolling basis.

Best practices:

- Identification or alignment of climate technologies needs through national strategies, such as TNAs/TAPs
- Engagement of all relevant stakeholders before submission
- Check existing resources on CTCN website or WIPO Green Technology Database



CTCN Technical Assistance
Request Submission Form
Version: 05/2024

Guidelines:

- This Request Submission Form should be completed by the organisation requesting technical assistance from the Climate Technology Centre & Network (CTCN) in collaboration with the National Designated Entity (NDE) of the country in question
- The Form must be signed by the NDE. Please see updated contact list of NDEs here: http://unfccc.int/ttclear/support/national-designated-entity.html
- The Form can be submitted as a Word file containing a digital signature or as a signed and scanned PDF file in combination with an un-signed Word file
- For requests submitted by multiple countries, all the NDEs of the respective countries shall sign identical Forms before official submission to the CTCN
- NDEs have the opportunity to submit CTCN requests in collaboration with National Designated Authorities (NDAs) for the Green Climate Fund (GCF) if targeting the GCF Readiness Programme.

Requesting country or countries:	
Request title:	Please reflect the objective of the technical assistance in the title (maximum 200 characters).
NDE	Please add name of organisation, name of individual, position, email and address.
Request Applicant:	Please add name of organisation, contact person, position, email and address of the organisation requesting assistance from the CTCN.

Climate objective:

- ☐ Adaptation to climate change
- ☐ Mitigation of climate change
- ☐ Combination of adaptation and mitigation of climate change

Geographical scope:

- ☐ Community level
- ☐ Sub-national
- ☐ National
- ☐ Multi-country

If the request is at a sub-national or multi-country level, please describe specific geographical areas (provinces, states, countries, regions, etc.):

Request evaluation

The CTCN evaluates the submitted request based on a standard-ized framework.

To prioritize a technical assistance request, it must meet two compulsory criteria (#1 and #2).

Additionally, it must comply with four out of the remaining six criteria.

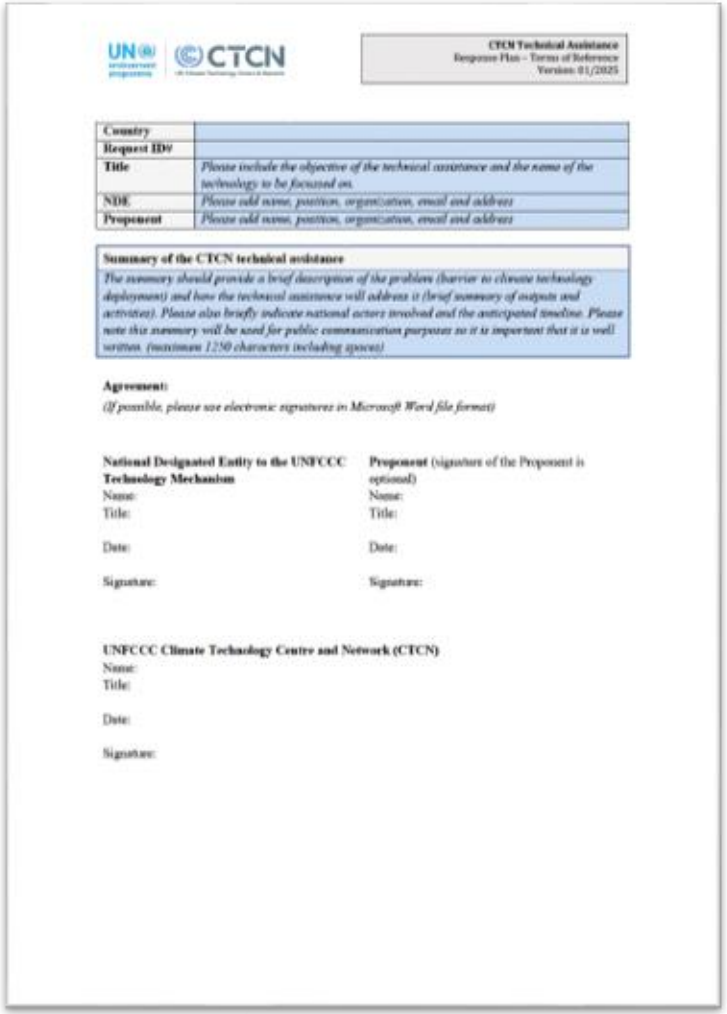
	Prioritization Criteria
1	The request is aligned to the CTCN's existing Programme of Work.
2	The request is aligned to the key themes of the Technology Framework of the Paris Agreement.
3	The request is submitted by LDCs or SIDS or by a country that has not received CTCN technical assistance in the last 5 years, taking into account regional balance.
4	The request contributes to the CTCN's portfolio balance between mitigation and adaptation.
5	The request has the potential to contribute to systems transformations (nationally, regionally, and/or internationally.
6	The request is part of multi-country approach to allow regional bundling of requests to promote collaboration among stakeholders, including between countries (South-South, bilateral, or multilateral cooperation).
7	The request, developed in consultation with or with the engagement of various national climate-related focal points, enables leveraging public and/or private financing or is developed in consultation with research or private sector.
8	The request promotes gender equality and / or the empowerment of youth, Indigenous Peoples, or local communities.

Response Plan Design

The CTCN collaborates with the NDE and applicants to develop a tailored ‘Response Plan’. This Response Plan will set the basis for the Terms of Reference under which an implementing partner will be contracted.

Best practices:

- Proper involvement of all relevant stakeholders in the preparation and review
- Preparation of resources and data that are relevant for the implementation
- Clear setting of expectations for all activities, including data collection, stakeholder engagement, capacity building, etc.
- Anticipation of follow-on activities and financing



CTCN Technical Assistance
Response Plan – Terms of Reference
Version: 01/2025

Country	
Request ID#	
Title	*Please include the objective of the technical assistance and the name of the technology to be focussed on.*
NDE	*Please add name, position, organization, email and address*
Proponent	*Please add name, position, organization, email and address*

Summary of the CTCN technical assistance

The summary should provide a brief description of the problem (barrier to climate technology deployment) and how the technical assistance will address it (brief summary of outputs and activities). Please also briefly indicate national actors involved and the anticipated timeline. Please note this summary will be used for public communication purposes so it is important that it is well written. (maximum 1250 characters including spaces)

Agreement:

(If possible, please use electronic signatures in Microsoft Word file format)

National Designated Entity to the UNFCCC Technology Mechanism
Name:
Title:

Date:

Signature:

Proponent (signature of the Proponent is optional)
Name:
Title:

Date:

Signature:

UNFCCC Climate Technology Centre and Network (CTCN)
Name:
Title:

Date:

Signature:

Bidding Process

The CTCN prepares bidding documents based on the agreed Response Plan.

The competitive bidding is conducted through the United Nations Office of Nairobi (UNON), abiding by UNEP rules and regulations.

Consortium partners or existing and new Network members can respond to the Expression of Interest (EoI) and thereafter to the Request for Proposals (RfP).

A weighted technical evaluation (by CTCN) and financial evaluation (by UNON) of bids is conducted. No involvement of the NDE or beneficiary is possible.

Pass / Fail Criteria	1. CTCN Network Membership 2. The bidder firm has been in business relevant to the Terms of Reference for at least five (3) years 3. Statement to not sub-contract more than 50% of the budget allocated to the work 4. If not an organization based in the requesting country, letter of partnership with a local organization/expert with clearly defined roles and at least 25% of budget 5. Reference letter from a past client indicating experience of conducting similar work to the ToRs 6. Work Plan detailing activities, deliverables and timelines for this requirement in line with the ToR 7. Organigram and curriculum vitae/professional qualifications of each key personnel 8. Approach and Methodology to undertake the work
Scoring Criteria	Around 7 criteria defined for each technical assistance individually to for the technical evaluation and scoring of the different bids

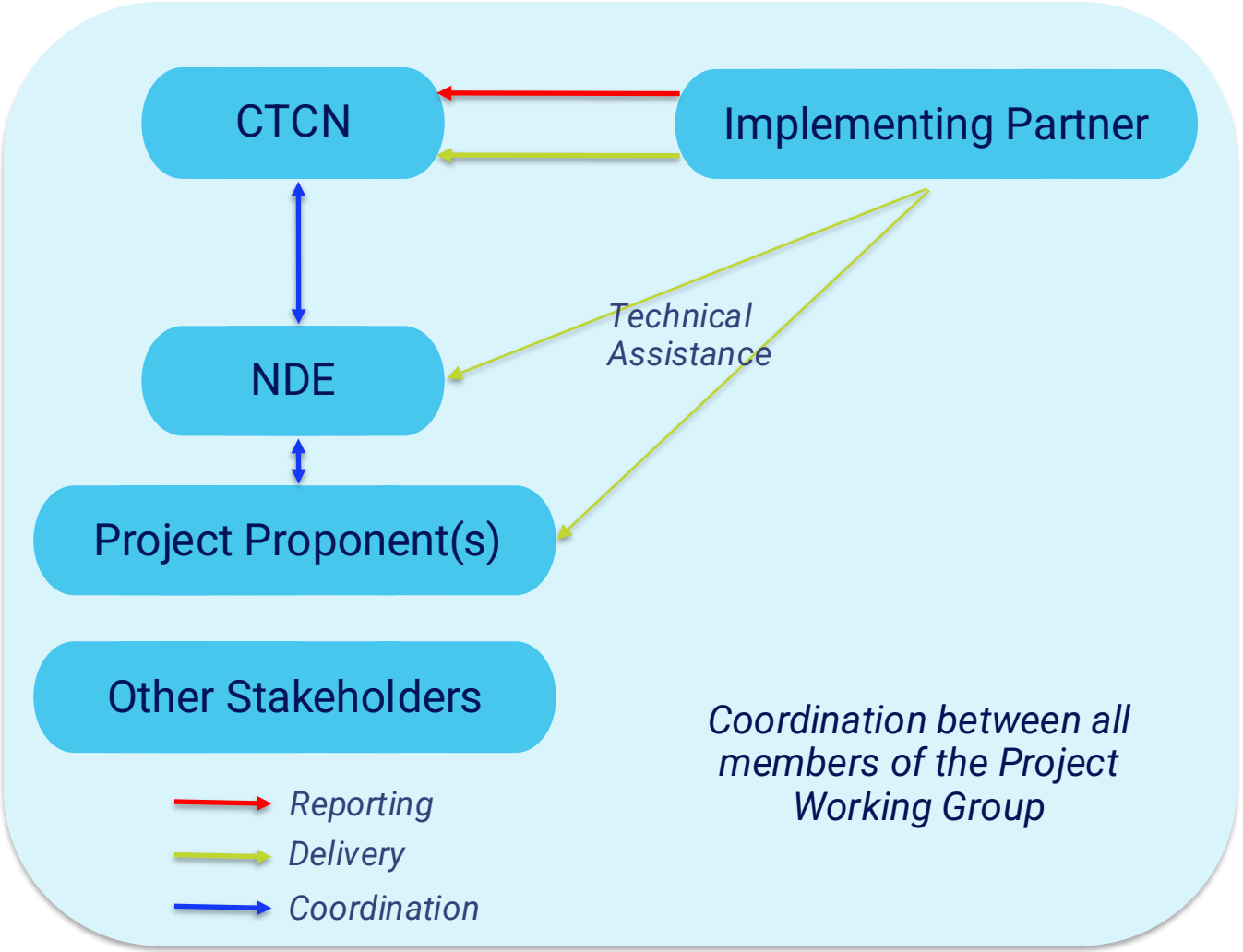
Project Implementation

The network member selected through a competitive bidding process implements the project according to the 'Response Plan'.

At the beginning of the technical assistance, the network member / implementing partner will develop a monitoring and evaluation (M&E) plan, detailed workplan, and gender assessment and action plan.

Regular project steering meetings will be organized to provide updates. Deliverables will be shared for review and approval with the NDE and proponent.

The CTCN conducts due diligence of deliverables and regular monitoring and evaluation.



Monitoring and Evaluation

United Nations Climate Change Technology Executive Committee

UN environment programme | CTCN UN Climate Technology Centre & Network

The CTCN regularly reach out to the NDEs, project implementers and project proponents to follow up to collect the lessons learned and impacts achieved in countries before, during and after implementation.

Beginning	During	End	After

M&E Plan

Template to define performance and success indicators for the technical assistance.

By Implementing Partner

Progress Reporting

Continuous reporting on the project progress and success.

By Implementing Partner

Closure Report

Template to evaluate final project performance and lessons learned

By Implementing Partner

NDE Feedback Form

Template to provide feedback on implementation and define next steps after closure

By NDE and Proponent

Post-implementation Form

Template to provide updates on post-implementation progress and impact for past technical assistances on an annual basis

By NDE and Proponent

2025 Water-Energy-Food nexus

Country	Objective	Title
Bahamas	Adaptation & Mitigation	Developing a national framework for the standardization of stalls and procedures for a climate smart street side vendor in the Bahamas (AFCIA 1)
Cameroon	Adaptation	Local climate resilience through synecoculture, a high-yield agricultural technique in the northern region of Cameroon (mainly in the commune of Garoua 2 and in Figuil (Mayo-Louti)) (EC CC&S)
Central African Republic	Adaptation & Mitigation	Production of affordable solar cookers in the deforestation-threatened Bangui region of the Central African Republic (EC CC&S)
Chad	Adaptation	Rehabilitation of wells in the commune of Liwa, capital of LIWA (Lake region), using solar-powered pumps and drawing up a guide to good practice for the consumption of this water, depending on the end use (drinking water, agriculture, livestock, sanitary in Chad (EC CC&S)
Haiti	Adaptation	Technical Assistance to identify and prepare a system of payments for ecosystem services, in order to manage and protect their watersheds in Haiti (EC CC&S)
Jamaica	Adaptation	Enhancing multi-scalar mapping and research on food security risk due to the impacts of climate change on rural and urban environments in Jamaica
Malawi	Adaptation	Using simple mobile technologies to scale up digital collection & processing of climate observations for adaptation actions in Malawi (AFCIA 1)
Mali	Adaptation	Pilot project for the sustainable management of wood resources through the promotion of solar cookers and solar energy for the operation of electric cookers in a context of climate change (EC CC&S)



Photo Credit: UN CTCN/Miranda Rikki Tasker

2025 Water-Energy-Food nexus (cont.)

Mozambique	Adaptation, Mitigation	Implementation of Water-Food-Energy nexus using digital technologies for local communities in Mozambique (AFCIA 1)
Nigeria	Adaptation	Empowering communities of Kaduna State, located in the North-west Nigeria with sustainable agricultural practices (Em-Hydro) (EC CC&S)
Sudan	Adaptation, Mitigation	Improving the efficiency and sustainability of water harvesting technologies in Sudan by providing technical assistance in terms of enhancing; technology transfer, capacity building, and research collaboration under EC Climate Change & Security Programme (EC CC&S)
Suriname	Adaptation, Mitigation	Enhance the resilience of Suriname´s water supply system by modelling drought risks and developing a roadmap of prioritized alternatives for aquifer recharge (AFCIA 1)
Thailand	Adaptation	Blockchain Technology for a real-time climate risk insurance system in Thailand's agricultural sector (AFCIA 1)
Zambia	Adaptation	Aquifer mapping technologies for Zambia (AFCIA 1)
Zimbabwe	Adaptation	Piloting of a reliable solar powered drying facility for mopane worms in the Gwanda rural District of Zimbabwe (EC CC&S)



Photo Credit: UN CTCN/Miranda Rikki Tasker

Spotlight: Nepal's Customized Weather and Climate Information System for Climate-Resilient Agriculture



2025 Buildings and Infrastructure

Country	Objective	Title
Colombia	Adaptation, Mitigation	Sustainable Cuerval: Strategies for conservation, restoration and monitoring of the mangrove areas of the Cuerval for adaptation and mitigation with a focus on the integration of peace in climate action in Colombia (EC CC&S)
Georgia	Adaptation	Building up integrated monitoring and early warning forest fires detection system in the Borjomi - Kharagauli National Park by innovative remote sensing tools
Ghana	Mitigation	Development of Green Building Guidelines and Standards for Ghana
Malaysia	Adaptation	Development of a Multi-Hazard Platform for forecasting local level climate extremes and physical hazards for Iskandar Malaysia (AFCIA 1)
Mali	Adaptation	Data-driven approach in flood mitigation: developing real-time mapping of floods in Mali (AFCIA 1)
Uganda	Adaptation, Mitigation	Technical Assistance Towards the Development of a Project Proposal for the Implementation of Climate Adaptation and Mitigation Technologies to Address Climate Challenges in Specific Sectors Based on Uganda's Technology Needs Assessment Outcomes



Photo Credit: UN CTCN/Miranda Rikki Tasker

2025 Business and Industry

Country	Objective	Title
Chile, Dom Rep, Uruguay, Costa Rica	Adaptation, Mitigation	Multi-country Circular Economy Finance for MSMEs
Uganda	Adaptation, Mitigation	Strengthening Waste Management Policymaking in Uganda in Response to Climate Change (Pro-bono K)



2025 Energy Systems

Country	Objective	Title
Burkina Faso	Adaptation, Mitigation	Reinforcing the implementation of actions to mitigate and adapt to climate change by developing solar energy systems for off-grid agro-industrial facilities through the establishment of a "Community Solar Platform" (EC CC&S)
Kenya	Mitigation	Development of a SF6 Phase-out Roadmap and Pilot Projects in Kenya (EC ICS)
Tanzania	Mitigation	Feasibility Study of Optimal Design Conditions for Biogas Plant for the Improvement of CH4 Capture Efficiency in Tanzania (Pro-bono K)
Timor-Leste	Mitigation	Formulating a National Electricity Grid Code and the Definition of a Net Metering Policy in Timor-Leste



Photo Credit: UN CTCN/Miranda Rikki Tasker

2025 Sustainable Mobility

Country	Objective	Title
Tanzania	Mitigation	Developing a national framework for deploying and scaling up E-Mobility in Tanzania



Photo Credit: TRi Tanzania

Spotlight: Tanzania e-mobility

- CTCN Technical Assistance (completed Jan 2025) supported the development of the National EV Policy Framework and key studies to establish the foundation for the e-mobility transition
- Since then, consultations with key stakeholders continued, a technical white paper was developed for each institution to commit to their responsibilities
- Stakeholders are now looking into implementing fiscal incentives, finalizing EV charging tariffs and regulations, expanding charging infrastructure planning, and strengthening skills & private sector partnerships



Working Group Visit to the Dar es Salaam Institute for Technology (DIT) retrofitting workshop

Collaborative Research, Development and Demonstration (cRD&D) TA in Bangladesh

Feasibility Research of Solar Electric-Based Cold Warehouse equipped with Low-temperature Latent Heat Material for Fruit Storage in Bangladesh Climate Conditions

- Bangladesh's agricultural sector suffers 40% post-harvest losses of perishable goods due to inadequate cold storage.
- CTCN TA aims to develop portable solar-powered cold storage units for rural areas, reducing losses, improving food security, and enhancing climate resilience.
- Key activities include designing the storage model, piloting units, and creating a sustainable business model.





